

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 2003/004738

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04L 12/56, H04L 12/28, H04Q 7/38
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04Q, H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03051012 A1 (NOKIA CORPORATION), 19 June 2003 (19.06.2003), page 2, line 26 - line 33; page 7, line 4 - line 28; page 8, line 31 - page 9, line 10, page 14, line 1 - line 29 --	1-30
Y	US 2002143855 A1 (BERNARD A. TRAVERSAT ET AL), 3 October 2002 (03.10.2002), page 2, paragraph [0026], page 3, paragraph(s) [0029]-[0032] --	1-30
X	US 6338087 B1 (KAZUHIRO OKANOUE), 8 January 2002 (08.01.2002), column 2, line 1 - column 3, line 5, figure 9 --	1-30

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

3 May 2003

Date of mailing of the international search report

07-05-2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6535498 B1 (TONY LARSSON ET AL), 18 March 2003 (18.03.2003), column 1, line 39 - line 67 -- -----	1-30

INTERNATIONAL SEARCH REPORT

information on patent family members

31/03/2004

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WO	03051012	A1	19/06/2003	FI	20015050	A	14/06/2003
US	2002143855	A1	03/10/2002	EP	1229442	A	07/08/2002
				EP	1229443	A	07/08/2002
				US	2002143944	A	03/10/2002
				US	2002147771	A	10/10/2002
				US	2002147810	A	10/10/2002
				US	2002152299	A	17/10/2002
				US	2002156893	A	24/10/2002
				US	2002184310	A	05/12/2002
				US	2002184311	A	05/12/2002
				US	2002184357	A	05/12/2002
				US	2002184358	A	05/12/2002
				US	2002188657	A	12/12/2002
				US	2003002521	A	02/01/2003
				US	2003041141	A	27/02/2003
				WO	02057917	A	25/07/2002
				EP	1282289	A	05/02/2003
				US	2003028585	A	06/02/2003
				US	2003055894	A	20/03/2003
				US	2003055898	A	20/03/2003
				US	2003070070	A	10/04/2003
US	6338087	B1	08/01/2002	JP	3097581	B	10/10/2000
				JP	10190717	A	21/07/1998
				US	6134587	A	17/10/2000
				US	6415330	B	02/07/2002
US	6535498	B1	18/03/2003	AU	2032601	A	12/06/2001
				CN	1408160	T	02/04/2003
				EP	1236314	A	04/09/2002
				JP	2003516031	T	07/05/2003
				WO	0141375	A	07/06/2001